



## Better Plants Technology Days 2019

Office of Energy Efficiency and Renewable Energy  
U.S. DEPARTMENT OF ENERGY

**Tuesday, April 9, 2019**

7:00 a.m.	<p>Arrival and Badging – Met by HPCIC/Protocol Staff</p> <p><i>Transport to Bldg. 453</i></p> <p>Registration and Morning Hospitality (Breakfast provided)</p>	<p>Westgate Badge Office</p> <p><i>LLNL Shuttle</i></p> <p>Bldg. 453, Rm. 1012</p>
8:00 a.m.	<p>Welcome and Lawrence Livermore National Laboratory (LLNL) Overview:</p> <ul style="list-style-type: none"> <li>— Welcome Address from Office of Energy Efficiency and Renewable Energy (DOE)</li> <li>— Overview of LLNL</li> <li>— Itinerary and Tour Logistics</li> </ul>	<p>Alex Fitzsimmons <i>Chief of Staff, Office of Energy Efficiency and Renewable Energy, U.S. Department of Energy</i></p> <p>Patricia Falcone <i>Deputy Director for Science and Technology</i></p> <p>Wayne Miller <i>Deputy Director, High Performance Computing Innovation Center</i></p> <p>Bldg. 453, Auditorium</p>
8:30 a.m.	<p>Materials and Manufacturing:</p> <ul style="list-style-type: none"> <li>— Manufacturing Activities at LLNL</li> <li>— Materials Engineering Technologies</li> <li>— Advanced Manufacturing</li> </ul>	<p>Anantha Krishnan <i>Associate Director, Engineering</i></p> <p>Diane Chinn <i>Division Leader, Materials Engineering Division</i></p> <p>Alex Hamza <i>Leader, Advanced Manufacturing</i></p> <p>Bldg. 453, Auditorium</p>
9:30 a.m.	<p>Computing and Modeling:</p> <ul style="list-style-type: none"> <li>— Advanced Simulation for Discovery</li> <li>— Machine Learning for Manufacturing</li> <li>— Design Optimization</li> </ul>	<p>Saad Khairallah <i>Computational Engineer</i></p> <p>Victor Castillo <i>Senior Scientist, Computational Engineering Division</i></p> <p>Dan Tortorelli <i>Computational Design Optimization</i></p> <p>Bldg. 453, Auditorium</p>

Technical Hosts: Wayne Miller, Deputy Director, High Performance Computing Innovation Center  
Jim Bono, Manager, Market Outreach Manager, Strategic Engagements  
Patrick Dempsey, Director for Strategic Industry Engagements, Engineering Directorate

Administrative Lead: Jen Snyder, Ph: (925) 422-3709, Cell: (925) 980-0843, E-mail: [snyder31@llnl.gov](mailto:snyder31@llnl.gov)  
Protocol Liaison: Michele Morris, Ph: (925) 423-3578, Cell: (925) 344-9648, E-mail: [morris75@llnl.gov](mailto:morris75@llnl.gov)  
Clearance: Unclassified  
Attire: Business Casual

Agenda Date: April 5, 2019 (V7 Final)  
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10:30 a.m.	<i>Transport to Bldg. 655</i> <i>Transport to Bldg. 391</i> <i>Transport to Bldg. 581</i>	<i>Bus #1 – AML</i> <i>Bus #2 – Fiber Draw Tower</i> <i>Bus #3 – NIF</i> <i>Bus #4 – NIF</i>
10:45 a.m.	Advanced Manufacturing Laboratory Tour — Patrick Dempsey, <i>Director for Strategic Industry Engagements</i> — Will Smith, <i>Staff Engineer</i> — Jamil Abo-Shaeer, <i>Vector Atomics</i>  Fiber Draw Tower Tour — Mike Messerly, <i>Fiber Laser Group Leader</i>  High Performance Computing (HPC) Tour — Scott Futral, <i>HPC Tour Guide</i>  National Ignition Facility (NIF) Tour — TBD	Group #1 Bldg. 655, Lobby          Group #2 Bldg. 391, South Entrance          Group #3 Bldg. 453, Lobby          Group #4 Bldg. 581, NEL Lobby
11:45 a.m.	<i>Tours Return to Bldg. 453</i>	<i>Black Tie Transportation/LLNL Shuttle</i>
12:00 p.m.	Working Lunch (Lunch provided) — Overview of Sandia National Laboratory	Tristan Mahyera <i>Licensing Executive, Sandia-California</i>  Bldg. 453, Rm. 1012
12:50 p.m.	Group Photo	Bldg. 453, Courtyard
1:00 p.m.	<i>Transport to Bldg. 655</i> <i>Transport to Bldg. 391</i> <i>Transport to Bldg. 654</i>	<i>Bus #1 – AML</i> <i>Bus #2 – Fiber Draw Tower</i> <i>Bus #4 – Supercomputing</i>
1:15 p.m.	Advanced Manufacturing Laboratory Tour — Patrick Dempsey, <i>Director for Strategic Industry Engagements</i> — Will Smith, <i>Staff Engineer</i> — Jamil Abo-Shaeer, <i>Vector Atomics</i>  Fiber Draw Tower Tour — Mike Messerly, <i>Fiber Laser Group Leader</i>  High Performance Computing (HPC) Tour — Scott Futral, <i>HPC Tour Guide</i>  Modular and Sustainable Supercomputing Facility — Anna Maria Bailey, <i>HPC Chief Engineer</i>	Group #1 Bldg. 655, Lobby          Group #2 Bldg. 391, South Entrance          Group #3 Bldg. 453, Lobby          Group #4 Bldg. 654, Lobby
2:00 p.m.	<i>Tours Return to Bldg. 453</i>	<i>Black Tie Transportation/LLNL Shuttle</i>
2:15 p.m.	<i>Transport to Bldg. 655</i> <i>Transport to Bldg. 391</i> <i>Transport to Bldg. 654</i>	<i>Bus #1 – AML</i> <i>Bus #2 – Fiber Draw Tower</i> <i>Bus #4 – Supercomputing</i>

2:30 p.m.	Advanced Manufacturing Laboratory Tour <ul style="list-style-type: none"> <li>— Patrick Dempsey, <i>Director for Strategic Industry Engagements</i></li> <li>— Will Smith, <i>Staff Engineer</i></li> <li>— Jamil Abo-Shaeer, <i>Vector Atomix</i></li> </ul>	<b>Group #1</b> Bldg. 655, Lobby
	Fiber Draw Tower Tour <ul style="list-style-type: none"> <li>— Mike Messerly, <i>Fiber Laser Group Leader</i></li> </ul>	<b>Group #2</b> Bldg. 391, South Entrance
	High Performance Computing (HPC) Tour <ul style="list-style-type: none"> <li>— Chris Earl, <i>HPC Tour Guide</i></li> </ul>	<b>Group #3</b> Bldg. 453, Lobby
	Modular and Sustainable Supercomputing Facility <ul style="list-style-type: none"> <li>— Anna Maria Bailey, <i>HPC Chief Engineer, Computation</i></li> </ul>	<b>Group #4</b> Bldg. 654, Lobby
3:15 p.m.	<i>Tours return to Bldg. 453</i>	<i>Black Tie Transportation/LLNL Shuttle</i>
3:30 p.m.	Water and Cyber <ul style="list-style-type: none"> <li>— Institutional Water Management</li> <li>— Capacitive Water Deionization</li> <li>— Civilian Cyber Activities</li> <li>— Community Energy Solutions</li> </ul>	Peter McKereghan <i>Program Manager, Environmental Restoration</i>  Patrick Campbell <i>Staff Scientist, Advanced Materials Synthesis Group</i>  Liang Min <i>Strategic Initiative Lead, Cyber and Infrastructure Resilience Program</i>  Colin Ponce <i>Principal Investigator, E Program</i>  Bldg. 453, Auditorium
4:45 p.m.	Collaborating with LLNL	Jim Bono <i>Market Outreach Manager, Strategic Engagements</i>
5:00 p.m.	<i>Adjourn and Return to Westgate Badge Office</i>	<i>LLNL Shuttle</i>
5:15 p.m.	No-Host Social Gathering	Zephyr Grill & Bar 1736 First Street, Livermore